

PAT-NO: JP401121609A
DOCUMENT-IDENTIFIER: JP 01121609 A
TITLE: BURNER HEAD ASSEMBLY FOR
SURFACE COMBUSTION
PUBN-DATE: May 15, 1989

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APPL-NO: JP62280500
APPL-DATE: November 5, 1987

INT-CL (IPC): F23D014/16

US-CL-CURRENT: 431/329

ABSTRACT:

PURPOSE: To improve a durability of burner head and realize easy fabrication thereof by constructing the surface combustion burner head from a number of heat resistant spherical granules

sandwiched between upper and lower wire nets.

CONSTITUTION: A burner head 1 is constructed of a number of spherical granules 2, each being formed of heat-resistant material such as ceramics. Spherical granules 2 are covered with a stainless steel wire net having a mesh size slightly smaller than diameter of respective granules 2 so that only an upper portion of individual granules disposed therebelow is allowed to project from a surface of the wire net. Spherical granules 2 are supported by underlaid wire net 4 of appropriate shape into which a whole shape of burner head is fitted. A circumferential edge of the burner head 1 is closed with an annular ring member 11 so as to prevent the granules from falling off therethrough, since individual spherical granules have a proper degree of freedom, clogging of burner head 1 and, therefore, impeded flow of combustion gas are prevented and a damage to the granules is minimized.

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